

FIGURE 1

*	*	*	*	*
MATTQSCQSRSSACSKAAACFPAAVAVDEEHGHHSHQLKGGAQEEAENDNNKPELRRGPW				***
M-----				-----RKGPW
MGRPPCC-----				-----DKGVKKGPW
MDK-----				-----KQLCNTSQD-PEVRKGPW
MDK-----				-----K-LGNTSHD-PEVRKGPW
MDK-----				-----KPCDSS-HD-PEVRKGPW
MDK-----				-----KQCKTSQD-PEVRKGPW
MST-----				-----IAKRDLSSEEESELRRGPW
M-----				-----DGKGAR-----SSNTLLSEDEM-----DLRRGPW
M-----				-----DEKGAR-----SSNTLLSEDEM-----DLRRGPW
MST-----				-----SKSVSSSEDDNELRRGPW
MST-----				-----SKSVSSSEDDNELRRGPW
MGRPPCC-----				-----DKEGVKKGPW
MDK-----				-----KPC-NSSQD-PEVRKGPW
1				60

SEQ ID NO:10
 SEQ ID NO:14
 SEQ ID NO:26
 SEQ ID NO:30
 SEQ ID NO:32
 SEQ ID NO:34
 SEQ ID NO:36
 SEQ ID NO:42
 SEQ ID NO:44
 SEQ ID NO:46
 SEQ ID NO:48
 SEQ ID NO:50
 SEQ ID NO:54
 SEQ ID NO:63

**	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
TVDEDLTLVNYIADNGEGRWNNLARAAGLK---																				
TEQEDVQLVWFVRLLGERRWDFLAKVSG---																				
TPEEDMLVSYIQEHGAGNWRAPVPTNTGLM---																				
TMEEDLILINYIANHGEVWNSLAKAAGLK---																				
TMEEDLILITYIANHGEVWNSLAKAAGLK---																				
IMEEDLILINYIANHGEVWNSLAKASGLK---																				
TMEEDLILMNYIANHGEVWNSLAKAAGLK---																				
TLEEDSLLIHYIARHGEGRWNMLAKSAGLK---																				
TVDEDLTLINYVATHGEGRWNTLALSAGLK---																				
TVDEDLTLINYIATHGEGRWNTLALSAGLK---																				
TLEEDNLLSQYIFNHGEGRWNLLAKRSGLK---																				

SEQ ID NO:10
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 SEQ ID NO:34
 SEQ ID NO:36
 SEQ ID NO:42
 SEQ ID NO:44
 SEQ ID NO:46
 SEQ ID NO:48

FIGURE 1 CONTINUED

SEQ ID NO:50	TL EEDNLLSQYISSHGEGRWNLLAKRSLK---RTGKSCRLRLWNLKLPDVKRGNLTPQE	61
SEQ ID NO:54	TPEEDIILSVYIOEHGPGNWRAPAKTGLS---RCSKSCRLRLWTNLYLRPGIKRGNFTEQE	
SEQ ID NO:63	TMEEDLILINYIANHGEVWNSLAKAAAGLK---RTGKSCRLRLWNLKLPDVRRGNITPEE	120
SEQ ID NO:10	Q L L I L D L H T R W G N R W S K I A Q H L P G R T D N E I K N Y W R T R V Q K H A K Q L N C D A N S K R F K D A ---	
SEQ ID NO:14	E R M V V Q L H A K L G N R W S R I A K S I P G R T D N E I K N Y W R T H L R K --- L K L K Q Q K Q Q S D D ---	
SEQ ID NO:26	E K L I V H L Q A L L G N R W A A I A S Y L P E R T D N D I K N Y W N T H L K K L K M Q A A G G E D S G A A S E G	
SEQ ID NO:30	Q L L I M E L H A K W G N R W S K I A K H L P G R T D N E I K N Y W R T R I Q K H I K Q A E - N - F Q Q Q I S N ---	
SEQ ID NO:32	Q L L I M E L H A K W G N R W S K I A K H L P G R T D N E I K N Y W R T R I Q K H L K Q A S - S S F Q Q Q S S N ---	
SEQ ID NO:34	Q L L I I E L H A K W G N R W S K I A K H L P G R T D N E I K N F W R T R I Q K H I K Q A E - T S Q Q H G N S S ---	
SEQ ID NO:36	Q L L I M E L H A K W G N R W S K I A K H L P G R T D N E I K N Y W R T R I Q K H I K Q A E - N - F Q Q Q S S N ---	
SEQ ID NO:42	Q L L I L E L H S K W G N R W S K I A Q H L P G R T D N E I K N Y W R T R I Q K A R Q L N I E S G S K R F I D A ---	
SEQ ID NO:44	Q L L I L E L H S R W G N R W S K I A Q Y L P G R T D N E I K N Y W R T R V Q K H A K Q L K C D V N S K Q F K D T ---	
SEQ ID NO:46	Q L L I L E L H S R W G N R W S K I A Q Y L P G R T D N E I K N Y W R T R V Q K H A K Q L K C D V N S K Q F K D T ---	
SEQ ID NO:48	Q L I I L E L H S K W G N R W S K I A Q H L P G R T D N E I K N Y W R T R I Q K A R H L K I Y T D S R E F Q E L ---	
SEQ ID NO:50	Q L I I L E L H S K W G N R W S K I A Q N L P G R T D N E I K N Y W R T R I Q K A R H L K I D T D T R E F Q E L ---	
SEQ ID NO:54	E K M I I H L Q D L L G N R W A A I A S Y L P Q R T D N D I K N Y W N T H L R K K L K M Q A G G E G ---	
SEQ ID NO:63	Q L L I M E L H S K W G N R W S K I A K H L P G R T D N E I K N F W R T R I Q K H I K Q V D - N P N Q Q N F Q Q K ---	180
SEQ ID NO:10	-----M R Y L W M P H L A D D V D T I A A A N D D D - E D H H N L R L L V L H H H Q A Q	
SEQ ID NO:14	-----H H -----N D N D D D D D R N S S - S S S S S N S N L Q Q Q P Q -	
SEQ ID NO:26	G G R G D G D G G K S V K A A P K G Q W E R R L Q T D I H T A R Q A L R D A L S -----L D H P D P S P A T	
SEQ ID NO:30	-----N S E I N D H Q A S ---T S H V S T M A E P M E T Y S P P F	
SEQ ID NO:32	-----S E I I Y H P Q A C -----T S Q V S T M A Q P I E T Y S P P S	
SEQ ID NO:34	-----E N S N N D H Q A S N S - T S K V S T M A H P N E T F S S P S	

FIGURE 1 CONTINUED

SEQ ID NO: 36	-----NSEINDHQAS-----TSHVSTMAEPMEMYSPPC	181
SEQ ID NO: 42	-----XKCFWMPRLLOK-----MEQNSP-----SPHHSSM-----TNMM	
SEQ ID NO: 44	-----MRYIWMPLVE-----RI-QATAAASAPQVTVPPRP	
SEQ ID NO: 46	-----MXYLXXXKARG-THSSSGDGPRN-HHRNCGRHQQCIHLRXQP	
SEQ ID NO: 48	-----VRRFWMPRLLOK-----AKESSNNM-SIQNQAIPMPFDYVSQHL	
SEQ ID NO: 50	-----VRRFWMPRCFKK-----PKNH-----LLQPCQKTRQL	
SEQ ID NO: 54	-GSFGEFSASRQI-----PRQWERRLOTDIQMAKRALSEALSPEKKPSCLSASNSNPSD	
SEQ ID NO: 63	-----MS-----LEINDHHHHHPHQPS-SSQVSNLVEPMETYSPTS	240
		241
SEQ ID NO: 10	HLQAAAAAGGAANDLAAGAYDVRQL---HALPSSGMAATSSSDSLASESYDDGGLLFAN	
SEQ ID NO: 14	-----PEDE-----SSASGSLQAQHHEDQHQLFLH-PLWNDDIIVDVDCWSSSTNVVA	
SEQ ID NO: 26	AAAAATPAGSSAA-----YASSADNIARLLQGWMR--PGGGGGGNGKGPEA---SGSTST	
SEQ ID NO: 30	YQGML-----EPFSS-----	
SEQ ID NO: 32	YQGML-----DPFS-----	
SEQ ID NO: 34	YQATF-----EPFQP-----	
SEQ ID NO: 36	YQGML-----EPFST-----	
SEQ ID NO: 42	NLGNSG---EASMSSMSSFNINPSMSSSSPPKGNLLWM-----MP-----NHF-	
SEQ ID NO: 44	-----TMHTPTTEAT	
SEQ ID NO: 46	YTTKFEVLNHKGRMGLTDPVANNDVGVSHVTQRYPTPENSTGASSSDSFGTQVSTISD	
SEQ ID NO: 48	TVGTIPPWQGPCMNEAGPTYMDQHEQTQTRNTNNGSCISLSESANIPKVP-----QHEG	
SEQ ID NO: 50	L-----CCLMV---FLS-----IQL-----	
SEQ ID NO: 54	SSSFSSTKPTTTQSVCYASSADNIARMLKGWMKNPPKSSRTNSSMTQNSFNLAGADTA	
SEQ ID NO: 63	YQGTLL-----EPF-P-----	300
		241

FIGURE 1 CONTINUED

SEQ ID NO:10	LRAGMLMDGDDWAAQQEADQGL-----WPPPPPPPSDLQSVVQAAGAGAGQFQ----	D
SEQ ID NO:14	PP-----PM-----PAS----	
SEQ ID NO:26	TATTOQQPQCSGEGAASA-----SASASQSGAAAAATAQT-----	PECS
SEQ ID NO:30	-----IQFP-----T	
SEQ ID NO:32	-----IQFP-----T	
SEQ ID NO:34	-----QFL-----Q	
SEQ ID NO:36	-----QFP-----T	
SEQ ID NO:42	-----KYYVQ-----PHQSI PRF-----LPI FTAT-----	
SEQ ID NO:44	L-----ITNSRFTITRA-----	
SEQ ID NO:46	LTENSSVPENTNSADY--YQPSQISNY---SDNCITSPSGFLFPQGLDLQSM-----	
SEQ ID NO:48	HTTITQFHAL-----NTNDFGTTYEGYN--VNNNVYEMDNFKTTTVAEDAQYPIGDCQ	
SEQ ID NO:50	---LGPYHHI-----HT-----PLG----	
SEQ ID NO:54	CSSGAKGPLSSAELSENNFESL---FDFDQSLSSNDQFSQSL-----PEAT	
SEQ ID NO:63	-----TQFP-----T	

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FIGURE 1 CONTINUED

SEQ ID NO:10	MELSGWV-----QGFSEITDNFWALEEIKMQ.-----
SEQ ID NO:14	---PLWDID-----DAFFCSDYSLPLWG.-----
SEQ ID NO:26	TETSK---MATGGAGGPAPAFSMLESWLLDDGGMGLMDVVPLGDPSEFF
SEQ ID NO:30	INPDQ-----SSCCTNDNNNSINYWSMEDIWSMQLLN---GD.----
SEQ ID NO:32	-NPHH-----SSCCTNDDDDNN-NYWSMEDIWSMQL-A---NY.----
SEQ ID NO:34	SMINQ-----VVVPATT-----TIGASRISGRLC---NYSMEIN
SEQ ID NO:36	INPDQ-----SSCCTNDNNN-INYWSMEDSWSMQLLN---G-----D
SEQ ID NO:42	-----KWG-----
SEQ ID NO:44	-PNTPWNMQSGDSSDN-----FWDVESMLFLEQQL-----MNDNM-
SEQ ID NO:46	MVGSNWV-----NNDFACNMWNMDLWQFSKLQ-----K
SEQ ID NO:48	-----RDLV.-----
SEQ ID NO:50	VLQDE---SKPDINIAAEIMPFSLLLEKWLLEAGCQEKLVGCCGDAK-EF
SEQ ID NO:54	INNNDH-----HQNSNCCANDNNNN-NYWSMEDIWSMQLLN---G-----D
SEQ ID NO:63	

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